Chemistry of Natural Compounds

The Faraday Press
cover-to-cover translation of
Khimiya Prirodnykh Soedinenii

Contents Volume 4, Number 1 · January-February 1968

Editorial Board
Khimiya Prirodnykh Soedinenii
a publication of the
Academy of Sciences UzSSR

S. Yu. Yunusov,
Editor-in-Chief
P. Kh. Yuldashev,
Associate Editor
A. A. Sokolova,
Managing Editor
G. P. Sidyakin,
Corresponding Secretary
N. K. Abubakirov
L. D. Bergel'son
M. N. Kolosov
N. K. Kochetkov
A. L. Markman
V. M. Stepanov
A. S. Khokhlov

	Russian page	English page
Synthesis and Biological Activity of Methyl Derivatives of dl-19-Nor-D-homotestosterone. K. K. Koshoev, I. G. Romanova, S. N. Ananchenko, I. V. Torgov, T. I. Barkova, and I. B. Sorokina	3	1
Structure of Canescein. I. F. Makarevich and I. P. Kovalev	9	6
Synthesis of Triterpene Glycosides. II. Synthesis of Acyl Glycosides of 18β- and 18α-Glycyrrhetic Acids. A. M. Yuodvirshis and A. T. Troshchenko	13	10
Mass-Spectrometric Study of Alkaloids of the Lycorine Type. R. Razakov, V. N. Bochkarev, N. S. Vul'fson, Kh. A. Abduazimov, and S. Yu. Yunusov	19	15
Synthesis of Optically Pure Amino Acid p-Nitroanilides. E. V. Ramenskii, M. M. Botvinik, and R. U. Beisembaeva	23	18
Hydrolytic Stability of the Ester Bond in Aminoacyl Derivatives of N-Acetylglucosamine, Glucosamine, and N-Acetylneuraminic Acid. V. A. Derevitskaya and V. M. Kalinevich	28	22
A Comparative Evaluation of Methods for Determining the Activity of Chymotrypsin. M. T. Proskuryakov	32	25
Synthesis of Model Alanine-Glycine Peptides. L. N. Nikolenko, M. A. Ponomareva-Stepnaya, and R. Badalova	34	27
Synthesis of a Protected Octapeptide Corresponding to Sequence 65–72 of the Ribonuclease Chain. L. A. Shchukina and V. G. Degtyar	39	32
Synthesis of Dipeptides from β-(8-Theobrominyl)-α-alanine and Glycine. R. G. Vdovina and A. V. Karpova	42	35
Brief Communications		
Ceramide from the Horns of the Punctate Deer. G. B. Elyakov and R. V. Cherezova	47	39

(Continued)

Single Issue: $35

Annual Subscription: $110

© 1969 by The Faraday Press, Inc.
All rights reserved. This publication or parts thereof may not be reproduced in any form without permission of the publisher.
Printed in Canada.

The Faraday Press, Inc.

84 FIFTH AVENUE, NEW YORK, N. Y. 10011

Contents (cont'd)

	Russian page	English page
Coumarins of the Roots of *Heracleum Wilhelmsii* and *H. Asperum*. E. D. Giorgobiani, N. F. Komissarenko, and E. P. Kemertelidze	47	39
A Study of Cnidimin and Its Identification with Libanotin. G. K. Nikonov	48	40
Peucedanin from the Roots of *Peucedanum Luxurians*. G. K. Nikonov and M. G. Pimenov	48	41
Flavonoids of the Fruit of *Silybum Marianum*. L. I. Dranik and V. T. Chernobai	49	41
Isomyricitrin from *Euphorbia Stepposa*. O. M. Sotnikova and V. I. Litvinenko	50	42
Structure of a Flavonoid Glycoside from *Adonis Vernalis*. V. T. Chernobai, N. F. Komissarenko, and V. I. Litvinenko	51	43
A Study of the Essential Oil of *Artemisia Taurica*. I. S. Kozhina, V. I. Kovaleva, and T. V. Bukreeva	51	44
New Diterpenes, Isocembrene and Isocembrol, in the Oleoresin of *Pinus Sibirica*. N. K. Kashtanova, A. I. Lisina, and V. A. Pentegova	52	45
Ursolic and 3-Epiursolic Acids from Wastes from the Production of Lavender Oil. B. N. Kal'yan and G. V. Lazur'evskii	53	46
The Content of Arbutin in Some Species of the Genus *Serratula*. Ya. K. Yatsyuk, S. S. Lyashenko, and V. S. Batyuk	54	46
Separation of the Glycosides of Ginseng on Bio-Gel P-2. G. B. Elyakov, N. I. Uvarova, V. P. Krysina, and L. M. Antonik	54	47
Cardenolides of the Seeds of *Coronilla Scorpioides*. N. F. Komissarenko and Yu. N. Beletskii	56	48
17α-Hydroxystrophanthidin. R. Kh. Ruzieva, M. B. Gorovits, and N. K. Abubakirov	57	49
Base from *Telekia Speciosa*. L. I. Brutko and P. S. Massagetov	57	50
An Investigation of the Alkaloids of the Fruit of *Haplophyllum Foliosum*. D. Kurbanov, I. A. Bessonova, and S. Yu. Yunusov	58	50
The Alkaloids of Thalictrum. Kh. G. Pulatova, S. Abdizhabbarova, Z. F. Ismailov, and S. Yu. Yunusov	59	51
The Structure of Sewkorine. R. N. Nuriddinov and S. Yu. Yunusov	60	52
The Seeds of *Thermopsis Dolichocarpa*: A New Source of Cytisine. T. T. Shakirov, K. A. Sabirov, and R. I. Shamsutdinov	61	53
Alkaloids of *Corydalis Severtzovii*. M. S. Yunusov and S. Yu. Yunusov	61	54
Ammonolysis of Phenylthiohydantoin (PTH) Derivatives of Amino Acids. G. Ya. Lamm, A. R. Rakhimov, K. G. Ioffe, and I. A. Asatov	62	54
N-Terminal Amino Acids of Human Thyroglobulin. I. K. Pyzhova, Ya. Kh. Turakulov, and K. G. Ioffe	63	55
A Study of the Water-Soluble Fraction of the Proteins of the Seeds of the Cotton Plant. P. Kh. Yuldashev, N. K. Osmolovskaya, M. A. Kuchenkova, and N. Dzhanbaeva	64	56
Some Data on the Study of Bovine Luteinizing Hormone. F. Yu. Ryshka, N. K. Assonova, and A. S. Khokhlov	66	57
A New Method for Obtaining the Phytohormone Zeatin. Ch. Sh. Kadyrov	67	58
Polyphenols of *Geranium Collinum*. II. T. K. Chumbalov and T. N. Bikbulatova	67	59
A Chemical Study of *Euphorbia Serawchanica*. Z. N. Nazirov, Kh. A. Khamidova, and M. A. Azimov	68	59
Second All-Union Conference on the Chemistry of Nucleotides. N. I. Sokolova	68	60

Chemistry of Natural Compounds

The Faraday Press
cover-to-cover translation of
Khimiya Prirodnykh Soedinenii

Contents Volume 4, Number 2 · March-April 1968

	Russian page	English page
The Structure of Samarcandin and Samarcandone, Coumarin Compounds from Ferula Samarcandica. N. P. Kir'yalov and S. D. Movchan	73	63
Flavonoids of Phellodendron Sachalinense and Ph. Amurense. O. I. Shevchuk, N. P. Maksyutina, and V. I. Litvinenko	77	66
New Flavanone Compounds from Euphorbia Stepposa. O. M. Sotnikova, R. K. Chagovets, and V. I. Litvinenko	82	71
The Structure of Meristotropic Acid. N. P. Kir'yalov and G. S. Amirova	87	75
Reaction of the Lactone Ring of Diffugenin. G. K. Makarichev and N. K. Abubakirov	92	79
The Structure of Brevicolline. P. A. Bember, I. V. Terent'eva, and A. V. Ul'yanova	98	83
Structure of Korseveridine. R. N. Nuriddinov and and S. Yu. Yunusov	101	86
Mass Spectrometry of the Alkaloids of Leontice. S. Iskandarov and S. Yu. Yunusov	106	90
Influence of a Remote OH Group on the Stability of the Phosphoramide Bond in an Ester of Uridylyl(5'→N)alanine. V. D. Smirnov, N. G. Shinskii, Z. A. Shabarova, and M. A. Prokof'ev	109	93
A Study of the Reactions of the Chemical Modification of Chymotrypsin. I. M. M. Botvinik, G. N. Novodarova, and V. L. D'yakov	116	99
Synthesis of a Biologically Active Amide of the C-Terminal Tetrapeptide Fragment of Gastrin on a Resin. L. A. Shchukina, L. Yu. Sklyarov, and V. I. Gorbunov	120	102
Analogs of Coenzymes of Carbohydrate Metabolism. IX. Synthesis of N_1-Methyladenosine Diphosphate Glucose. N. K. Kochetkov, E. I. Budovskii, V. N. Shibaev, and S. M. Spiridonova	123	105

(Continued)

Editorial Board
Khimiya Prirodnykh Soedinenii

a publication of the
Academy of Sciences UzSSR

S. Yu. Yunusov,
Editor-in-Chief
P. Kh. Yuldashev,
Associate Editor
A. A. Sokolova,
Managing Editor
G. P. Sidyakin,
Corresponding Secretary
N. K. Abubakirov
L. D. Bergel'son
M. N. Kolosov
N. K. Kochetkov
A. L. Markman
V. M. Stepanov
A. S. Khokhlov

Single Issue: $35

Annual Subscription: $110

© 1969 by The Faraday Press, Inc.
All rights reserved. This publication or parts thereof may not be reproduced in any form without permission of the publisher.

The Faraday Press, Inc.

84 FIFTH AVENUE, NEW YORK, N. Y. 10011

Contents (cont'd)

	Russian page	English page
Glycosylindoles. VIII. Isomerization of the Carbohydrate Ring of 1-Ribosylindoles. M. N. Preobrazhenskaya, M. M. Vigdorchik, and N. N. Suvorov	128	109
Brief Communications		
The Fatty Oil of Helleborus Abchasicus. Ts. M. Dalakishvili and E. P. Kemertelidze	129	111
Coumarins From the Fruit of Prangos Ferulacea. A. Z. Abyshev	130	112
Flavonoids of Polygonum Persicaria. M. M. Mukhamed'yarova	131	112
Oxygen-Containing Fractions of the Essential Oil of Libanotis Transcaucasica. II. G. V. Pigulevskii and L. A. Bakina	131	113
Preparation of Allopregn-14-ene-3β, 20α-diol. F. S. Khristulas, M. B. Gorovits, and N. K. Abubakirov	132	114
Glycosides of Daphne Julia. L. I. Kosheleva, G. K. Nikonov, and M. E. Perel'son	133	115
Ericinine—A New Alkaloid From Vinca Erecta. N. Abdurakhimova, Sh. Z. Kasymov, and S. Yu. Yunusov	135	116
Structure of Thalicsimidine. Z. F. Ismailov, M. V. Telezhenetskaya, and S. Yu. Yunusov	136	117
Alkaloids of Pedicularis Olgae. A. Abdusamatov, Kh. Ubaev, and S. Yu. Yunusov	136	117
The Structure of Albertine. S. Iskandarov and S. Yu. Yunusov	137	118
Thalsimidine—A New Bisbenzylisoquinoline Alkaloid from Thalictrum Simplex. S. Kh. Maekh, Z. F. Ismailov, and S. Yu. Yunusov	138	119
A Study of the Alkaloids of Nitraria Schoberi. The Structure of Nitrarine. M. Normatov and S. Yu. Yunusov	139	120
The Saponins of the Sunflower. V. Ya. Chirva, P. L. Cheban, and G. V. Lazur'evskii	140	121
Structure of Clematoside A. V. Ya. Chirva and V. P. Konyukhov	140	121
Structure of Clematoside B. V. Ya. Chirva and V. P. Konyukhov	141	122

Chemistry of Natural Compounds

The Faraday Press
cover-to-cover translation of
Khimiya Prirodnykh Soedinenii

Contents Volume 4, Number 3 · May-June 1968

Editorial Board
Khimiya Prirodnykh Soedinenii

a publication of the
Academy of Sciences UzSSR

S. Yu. Yunusov,
Editor-in-Chief
P. Kh. Yuldashev,
Associate Editor
A. A. Sokolova,
Managing Editor
G. P. Sidyakin,
Corresponding Secretary
N. K. Abubakirov
L. D. Bergel'son
M. N. Kolosov
N. K. Kochetkov
A. L. Markman
V. M. Stepanov
A. S. Khokhlov

	Russian page	English page
Coumarins of the *Libanotis buchtormensis*. N. E. Ermatov, A. I. Ban'kovskii, M. E. Perel'son, G. P. Syrova, and Yu. N. Sheinker	145	125
Structure of Isomeristotropic Acid. N. P. Kir'yalov and G. S. Amirova	150	129
Triterpene Glycosides of *Leontice eversmannii*. IV. Structure of Leontoside D. L. G. Mzhel'skaya and N. K. Abubakirov	153	132
Structure of Anabasamine. S. Z. Mukhamedzhanov, Kh. A. Aslanov, A. S. Sadykov, V. B. Leont'ev, and V. K. Kiryukhin	158	136
The Structure of Korsine. R. N. Nuriddinov, A. I. Saidkhodzhaev, and S. Yu. Yunusov	161	139
Structure of Petiline. R. N. Nuriddinov, B. Babaev, and S. Yu. Yunusov	168	145
Sulfur-Containing Amino Acids of the Polyhedral Protein of the Silkworm Yellows Virus. S. B. Serebryanyi, V. M. Kavsan, V. K. Kibirev, and M. S. Katsman	174	150
Synthesis of a Decapeptide Fragment of Ribonuclease (64-73). V. G. Degtyar and L. A. Shchukina	178	154
A Mass Spectrometric Study of Natural Mixtures of Enniatin Antiobiotics. A. A. Kiryushkin, B. V. Rozynov, and Yu. A. Ovchinnikov	182	157
Brief Communications		
Oil of the Seeds of *Luffa cylindrica*. A. U. Umarov and A. L. Markman	187	161
The Oil of Fraxinus Seeds. Z. Sabirov, A. U. Umarov, and A. L. Markman	187	161

(Continued)

Single Issue: $35

Annual Subscription: $110

©1971 by The Faraday Press, Inc.
All rights reserved. This publication or parts thereof may not be reproduced in any form without permission of the publisher.

The Faraday Press, Inc.

84 FIFTH AVENUE, NEW YORK, N. Y. 10011

Contents (cont'd)

	Russian page	English page
Anthraquinone Pigments of *Rumex rechingerianus*. K. V. Taraskina, T. K. Chumbalov, and L. K. Kuznetsova	188	162
The Dynamics of the Accumulation of Psoralen in *Psoralea drupacea*. I. N. Zatorskaya, M.-R. I. Shamsutdinov, T. T. Shakirov, U. Rakhmankulov, and E. E. Korotkova	189	163
A Study of the Anthocyanins of the Cotton Plant. Z. B. Rakhimkhanov, A. K. Karimdzhanov, A. I. Ismailov, and A. S. Sadykov	190	164
The Catechins of *Polygonum coriarium*. Sh. Yu. Islambekov, A. K. Karimdzhanov, A. I. Ismailov, and A. S. Sadykov	191	165
Tricyclene in Turpentines from *Pinus silvestris*. I. I. Bardyshev and E. P. Dontsova	191	165
Sesquiterpene Lactones of *Cyclachaena xanthifolia*. V. I. Novikov, Yu. N. Forostyan, and D. P. Popa	193	166
The Neutral Substances of the Oleoresin of *Pinus pallasiana*. A. G. Russo, P. F. Vlad, and G. V. Lazur'evskii	193	167
Alkaloids of Fumaria. I. A. Israilov, M. S. Yunusov, and S. Yu. Yunusov	194	167
The Alkaloids of Pedicularis. A. Abdusamatov, S. Khakimdzhanov, and S. Yu. Yunusov	195	168
Mass Spectrometric Data for Thalicmine, Thalicmidine, and Thalicsimidine. Z. F. Ismailov and S. Yu. Yunusov	196	169
The Structure of Majdine. M. R. Yagudaev, N. Abdurakhimova, and S. Yu. Yunusov	197	170
The Alkaloids of *Haplophyllum bucharicum*. S. M. Sharafutdinova and S. Yu. Yunusov	198	171
The Structure of Talatisamine. M. S. Yunusov and S. Yu. Yunusov	198	172
The Structure of Roemrefidine. S. T. Akramov and S. Yu. Yunusov	199	173
Alkaloids of the Roots of *Thalictrum flavum*. Z. F. Ismailov, K. L. Lutfullin, and S. Yu. Yunusov	200	173
NMR Spectrum of Foliosidine. M. R. Yagudaev and S. Yu. Yunusov	201	174
NMR Spectra of Thalicmine, Thalicsimidine, and Thalicmidine. Z. F. Ismailov, M. R. Yagudaev, and S. Yu. Yunusov	202	175
Letter to the Editor		
L. D. Yakhontova	203	176

Chemistry of Natural Compounds

The Faraday Press
cover-to-cover translation of
Khimiya Prirodnykh Soedinenii

Contents

Volume 4, Number 4 · July-August 1968

Editorial Board
Khimiya Prirodnykh Soedinenii

a publication of the
Academy of Sciences UzSSR

S. Yu. Yunusov,
Editor-in-Chief
P. Kh. Yuldashev,
Associate Editor
A. A. Sokolova,
Managing Editor
G. P. Sidyakin,
Corresponding Secretary
N. K. Abubakirov
L. D. Bergel'son
M. N. Kolosov
N. K. Kochetkov
A. L. Markman
V. M. Stepanov
A. S. Khokhlov

	Russian page	English page
Sesquiterpene Lactones from *Artemisia taurica*. N. A. Kechatova, K. S. Rybalko, V. I. Sheichenko, and L. P. Tolstykh	205	177
Polarographic Determination of Tauremisin in *Artemisia taurica*. P. N. Smirnov and N. A. Kechatova	207	179
Absorptio Spectra of Some Pentacyclic Triterpenoids in Sulfuric Acid. E. T. Oganesyan, A. L. Shinkarenko, and V. A. Pandyukova	212	182
Nontriterpenoid Glycosides of *Patrinia intermedia*. V. G. Bukharov, V. A. Talan, and V. V. Karlin	213	184
Triterpene Glycosides of *Leontice eversmannii*. V. The Structure of Leontoside E. L. G. Mzhel'skaya and N. K. Abubakirov	216	186
Kinetics of the Acetylation of e- and a-Hydroxyls in Cardenolides. I. F. Makarevich	221	190
The Structure of Roemrefine. M. S. Yunusov, S. T. Akramov, and S. Yu. Yunusov	225	193
Mass Spectra of Dihydro Derivatives of Alkaloids of the Lycorine Type. R. Razakov, V. N. Bochkarev, N. S. Vul'fson, Kh. A. Abduazimov, and S. Yu. Yunusov	227	195
Action of Alkaline Solutions of Hydroxamic Acids on Guanylic Acid and RNA. N. K. Kochetkov, E. I. Budovskii, and V. D. Domkin	230	197
Kinetics of the Acid Hydrolysis of Uridine Diphosphate Glucose and 3-N-Methyluridine Diphosphate Glucose. E. I. Budovskii and V. N. Shibaev	233	199
Structure of the Antibiotic Esperine. Yu. A. Ovchinnikov, V. T. Ivanov, P. V. Kostetskii, and M. M. Shemyakin	236	202
Brief Communications		
Oil from the Seeds of *Stachys betoniciflora*. A. S. Akramova, A. U. Umarov, and A. L. Markman	244	208

(Continued)

Single Issue: $35

Annual Subscription: $110

©1971 by The Faraday Press, Inc.
All rights reserved. This publication or parts thereof may not be reproduced in any form without permission of the publisher.

The Faraday Press, Inc.

84 FIFTH AVENUE, NEW YORK, N. Y. 10011

Contents (cont'd)

	Russian page	English page
Oil of the Seeds of *Datisca cannabina*. A. U. Umarov and A. L. Markman	245	209
Oil of Four Plants of the Family Ranunclaceae. R. E. Freiman and A. L. Markman	246	210
Quercimeritrin and Luteolin 7-Glucoside in Some Species of Dipsacaceae. G. N. Zemtsova and V. A. Bandyukova	247	211
Study of the Flavonoids of *Prunus spinosa*. V. A. Makarov	248	211
Glycoflavonoids of *Gysophila paniculata*. V. N. Darmograi, V. I. Litvinenko, and P. E. Krivenchuk	248	212
Extractive Phenolic Compounds from the Heartwood of *Pinus sibirica*. N. A. Tyukavkina, V. I. Lutskii, A. K. Dzizenko, and V. A. Pentegova	249	212
Studies of Substances Found in Essential Oils. XXXV. M. I. Goryaev, F. S. Sharipova, L. K. Tikhonova, and L. A. El'chibekova	250	213
A New Terpene Hydrocarbon—Achillene. A. D. Dembitskii, R. A. Yurina, and M. I. Goryaev	251	214
Britannin—A Lactone from *Inula britannica*. K. S. Rybalko, V. I. Sheichenko, G. A. Maslova, E. Ya. Kiseleva, and I. A. Gubanov	251	215
A Study of the Chemical Composition of *Saussurea frolovii*. II. Taraxasterol. A. T. Troshchenko and A. M. Yuodvirshis	252	216
A Study of the Saponins of *Hedera colchica*. G. E. Dekanosidze and T. A. Pkheidze	253	216
Composition of the Glycosidic Fraction from *Stychopus japonicus*. G. B. Elyakov, T. A. Kuznetsova, and V. E. Vas'kovskii	253	217
An Isorhamnetin Glycoside from the Flowers of *Astragalus novoascanicus*. L. I. Deryugina, N. P. Maksyutina, and P. E. Krivenchuk	254	218
Cardenolide Nicotinates. I. F. Makarevich	255	219
Cardenolides of *Convallaria keiskei*. N. F. Komissarenko	256	219
Mass Spectrometry of the Bisbenzylisoquinoline Alkaloids of Thalictrum. Z. F. Ismailov and S. Yu. Yunusov	256	220
Alkaloids of *Senecio jacobea*, *Heliotropium acutiflorum*, and *H. transoxanum*. S. T. Akramov, Z. Shadmanov, A. Samatov, and S. Yu. Yunusov	258	221
Structure and Configuration of Korseveriline. R. N. Nuriddinov and S. Yu. Yunusov	258	222
Configuration of Imperialine and Verticine. R. N. Nuriddinov and S. Yu. Yunusov	260	224
Structure and Configuration of Petilinine. R. N. Nuriddinov, B. Babaev, and S. Yu. Yunusov	261	225
The NMR Spectra of Thalmine, O-Methylthalicberine, Thalsimine, and Foetidine. Z. F. Ismailov, M. R. Yagudaev, and S. Yu. Yunusov	262	226
Structure of Ungminoridine. Kh. A. Abduazimov and S. Yu. Yunusov	263	227
Structure of Bucharaine. S. M. Sharafutdinova and S. Yu. Yunusov	264	228
Structure of Plantagonine and Indicaine. A. Abdusamatov, M. R. Yagudaev, and S. Yu. Yunusov	265	229
Polyphenols of *Geranium rectum*. A. S. Sadykov, N. I. Iskhakov, and B. Usmanov	265	230

Chemistry of Natural Compounds

The Faraday Press
cover-to-cover translation of
Khimiya Prirodnykh Soedinenii

Contents Volume 4, Number 6 · November-December 1968

Editorial Board
Khimiya Prirodnykh Soedinenii

a publication of the
Academy of Sciences UzSSR

S. Yu. Yunusov,
Editor-in-Chief
P. Kh. Yuldashev,
Associate Editor
A. A. Sokolova,
Managing Editor
G. P. Sidyakin,
Corresponding Secretary
N. K. Abubakirov
L. D. Bergel'son
M. N. Kolosov
N. K. Kochetkov
A. L. Markman
V. M. Stepanov
A. S. Khokhlov

	Russian page	English page
The Structure of Badkhysin. N. P. Kir'yalov and S. V. Serkerov . . .	341	287
Marrubiol—A New Diterpenoid from *Marrubium vulgare*. D. P. Popa, G. S. Pasechnik, and Phan Thuc Anh	345	291
A Study of Sorption Processes on a Polyamide Sorbent. I. The Sorption of Quercetin and Dihydroquercetin. N. A. Tyukavkina, K. I. Lapteva, V. A. Belyaeva, and V. A. Kulichkova.	349	294
Structure of the Products of Acid Hydrolysis of Panaxoside A. L. I. Strigina, A. K. Dzizenko, and G. B. Elyakov.	352	297
Steroid Sapogenins of *Yucca gloriosa*. T. A. Pkheidze and O. S. Madaeva	355	300
Digoxigenin 3-α-L-Rhamnoside. I. F. Makarevich and V. F. Chub	358	302
The Structure of Perforine and Haplophyllidine. Z. Sh. Faizutdinova, I. A. Bessonova, and S. Yu. Yunusov. . . .	360	304
A Study of the Alkaloids of *Saussurea salsa* and *S. elegans*. A. M. Khashimov, L. S. Smirnova, S. F. Matkhalikova, and S. Yu. Yunusov	367	310
Spatial Structure of Sophoridine and Sophoridinic Acid. A. I. Begisheva, Kh. A. Aslanov, and A. S. Sadykov	371	313
The Structure of Folifinine. D. Kurbanov, I. A. Bessonova, and S. Yu. Yunusov.	373	315
Brief Communications		
D-Mannitol from the Roots of *Glycyrrhiza echinata*. N. P. Kir'yalov and V. F. Bogatkina	376	318
Isomerization During Hydrogenation. A. I. Glushenkova and A. L. Markman	377	318
Furocoumarins of *Dictamnus dasycarpus*. N. F. Komissarenko	377	319
Furocoumarins of the Roots of *Heracleum stevenii* and *H. villosa*. N. F. Komissarenko and E. D. Giorgobiani.	378	320

(Continued)

Single Issue: $35

Annual Subscription: $110

©1971 by The Faraday Press, Inc.
All rights reserved. This publication or parts thereof may not be reproduced in any form without permission of the publisher.

The Faraday Press, Inc.

84 FIFTH AVENUE, NEW YORK, N. Y. 10011

Contents (cont'd)

	Russian page	English page
A Study of the Coumarin Composition of the Roots of *Prangos uloptera*. A. Z Abyshev and A. M. Kutnevich	378	320
Flavonoids of *Sorbaria sorbifolium*. L. A. Kruglii and V. I. Glyzin	379	321
Flavonols of *Prunus spinosa*. V. A. Makarov and A. L. Shinkarenko	380	321
Flavonoids of *Salix purpurea*. V. A. Kompantsev and A. L. Shinkarenko	380	322
Flavone Glycosides of *Geranium collinum*. III. T. K. Chumbalov, T. N. Bikbulatova, and I. S. Chanysheva	381	323
Isoquercitrin—A New Flavone Glycoside of *Solidago canadensis*. V. S. Batyuk and L. F. Kol'tsova	381	323
The Phenolic Compounds of *Hedysarum komarovii*. V. I. Glyzin, V. I. Bykov, and G. S. Glyzina	382	324
Pinocembrin and Pinostrobin from the Heartwood of *Pinus sibirica*. V. I. Lutskii, N. A. Tyukavkina, and M. F. Shostakovskii	383	325
A Chromatographic Analysis of the High-Boiling Fractions of the Extraction Turpentines from *Pinus silvestris*. I. I. Bardyshev, A. L. Pertsovskii, and V. I. Kulikov	384	325
Artemin—A New Sesquiterpene Lactone from *Artemisia taurica* L. P. Tolstykh, V. I. Sheichenko, A. I. Ban'kovskii, and K. S. Rybalko	384	326
Ambrosin—A Sesquiterpene Lactone from *Cyclachaena xanthifolia*. V. I. Novikov, Yu. N. Forostyan, and D. P. Popa	386	327
Inulicin—A New Sesquiterpene Lactone from *Inula japonica*. E. Ya. Kiseleva, V. I. Sheichenko, K. S. Rybalko, and A. A. Ivashenko	386	328
Triterpenes in Plants from the Soviet Far East. L. G. Matyukhina, A. A. Ryabinin, I. A. Saltykova, and T. B. Shakhvorostova	387	329
A Glycoside of Meristotropic Acid. N. P. Kir'yalov and G. S. Amirova	388	330
A Saponin of *Primula turkestanica*. A. M. Zakharov, E. P. Zinkevich, and A. I. Ban'kovskii	388	330
A Study of the Alkaloids of *Senecia krylovii*. L. A. Sapunova and A. I. Ban'kovskii	389	331
A Mass Spectrometric Study of Des-Bases. S. T. Akramov and S. Yu. Yunusov	390	332
Structure and Configuration of Korseverine. R. N. Nuriddinov and S. Yu. Yunusov	390	332
Mass Spectrometric Study of the Structure of Indicaine and Plantagonine. A. A. Abdusamatov and S. Yu. Yunusov	392	334
Structure of Thalsimidine. S. Kh. Maekh, Z. F. Ismailov, and S. Yu. Yunusov	393	335
Isolation of Roemerine Using Ion-Exchange Resins. T. T. Shakirov, Kh. N. Aripov, and S. Yu. Yunusov	394	336
The Alkaloids of *Thalictrum isophyroides*. Structure of Thalisopine. Kh. G. Pulatova, S. Kh. Maekh, Z. F. Ismailov, and S. Yu. Yunusov	394	336
Investigation of Globulin A. V. M. Mikhailov, N. N. Karavaeva, and P. Kh. Yuldashev	395	337
Alanine-Oxoglutarate Aminotransferase from the Seeds of the Cotton Plant. N. R. Dzhanbaeva, M. A. Kuchenkova, and P. Kh. Yuldashev	396	338
Globulins of Seeds of the Cotton Plant. Kh. Mirzarakhmatov and P. Kh. Yuldashev	397	339
Specific Inhibition of Human Pepsin and Gastricsin. L. S. Lobareva, V. M. Stepanov, T. A. Solov'eva, and L. M. Ginodman	398	340
N-Acetyl-3-hydroxyl-4-methylanthranilic Acid from an Actinomycete—The Producing Agent of the Actinomycin Antibiotic Aurantin. T. I. Orlova, A. B. Silaev, and A. O. Zheltova	399	341
Index		